



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : ERICH LUGSCHEIDER      Docket No.: 01-329  
Serial No.: 09/856,335      Examiner : K. Bareford  
Filed : May 18, 2001      Art Unit : 1762  
For : MATERIAL FOR PRODUCING A CORROSION-  
AND WEAR-RESISTANT LAYER BY THERMAL SPRAYING

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AMENDMENT UNDER 37 C.F.R. 1.111

Hon. Commissioner of Patents and Trademarks  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

Dear Sir:

In response to U.S. Patent and Trademark Office Action  
mailed November 12, 2002, please amend as follows:

IN THE CLAIMS

Please amend claims 1, 11, 13, 24, 28 and 32 as follows:

1. (Amended) A process for producing a corrosion- and  
wear-resistant layer on a substrate by spraying on an iron oxide-  
based material, characterised in that the iron oxide-based  
material which has at least 20% by weight of magnetite ( $\text{Fe}_3\text{O}_4$   
and/or  $\text{Fe}_2\text{O}_4$ ) is applied by on-line controlled plasma spraying  
and in that the layer of the material is monitored by an on-line  
monitoring and control system.

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